@PFDesktop\::ODMA/MH SGD/SMA/cmm 04/15/04 OIP	ODMA/HBSR05;iManage;4672	39;1	PATENT APPLICATION DOCKET NO.: 1932.1041-020
APR 1 9 2004 6	THE UNITED STATES	PATENT AND TRADEM	IARK OFFICE
Approximates:	Stephen Randall Holm	es-Farley, Pradeep K. Dhal	and John S. Petersen
Application No.:	10/647,665	Group Art Unit:	1615
Filed:	August 25, 2003	Examiner:	Not Assigned
Confirmation No.:	2141		
Title:	POLY (DIALLYLAM	INE)-BASED BILE ACID	SEQUESTRANTS
	I hereby certify that this correspond to Commissioner for Patents, being facsimile transmitted to Commissioner for Patents facsioner for Patents facsioner for Patents facsioner f	F MAILING OR TRANSMISSIC espondence is being deposited with the Ur postage as First Class Mail in an envelope P.O. Box 1450, Alexandria, VA 22313-the United States Patent and Trademark Signature  MCSWEENEY  ed name of person signing certificate	nited States addressed 1450, or is
	INFORMATION	N DISCLOSURE STATEME	<u>NT</u>
Commissioner for Pate P.O. Box 1450 Alexandria, VA 22313			
Sir:			
[ ] under 37 CFF	sclosure Statement is sub R 1.129(a), or ission after Final Rejection)	mitted:	
stage in an internati	the following time periods: three mo		than a CPA) or date of entry of the national its in a non-provisional application, including a
	R 1.97(c) together with ei		
	ement under 37 CFR 1.9 0.00 fee under 37 CFR 1.	7(e), as checked below, or	
		action or notice of allowance, whichever	occurs first)
[ ] under 37 CFF	R 1.97(d) together with:		
[ ] a Stat	ement under 37 CFR 1.9	7(e), as checked below, and	1
	0.00 fee under 37 CFR 1 ion or notice of allowance, whicheve	.17(p), or r occurs first, but on or before payment o	of the issue fee)

Applicant requests that the IDS and cited reference(s) be placed in the application filewrapper.

[ ]

under 37 CFR 1.97(i):

(Filed after payment of issue fee)

[ ]

Sta	atem	ent Un	der 37 (	CFR 1.97(e)
[	]	any co	mmuni	information contained in this Information Disclosure Statement was first cited in cation from a foreign patent office in a counterpart foreign application not more nths prior to the filing of this Information Disclosure Statement; or
[	]	comm knowl in the	unication edge of informa	formation contained in this Information Disclosure Statement was cited in a on from a foreign patent office in a counterpart foreign application, and, to the the undersigned, after making reasonable inquiry, no item of information contained ation disclosure statement was known to any individual designated in 37 CFR than three months prior to the filing of this Information Disclosure Statement.
<u>Sta</u>	atem	nent Un	<u>der 37 (</u>	CFR 1.704(d) (Patent Term Adjustment) Applies to original applications (other than design) filed on or after May 29, 2000
[	]	comm was no	unication ot receive	information contained in the Information Disclosure Statement was cited in a on from a foreign patent office in a counterpart application and this communication yed by any individual designated in § 1.56(c) more than thirty days prior to the aformation Disclosure Statement.
[X	]	Enclos	sed here	ewith is form PTO-1449:
		[]	Copie	s of the cited references are enclosed.
			[]	Since this application was filed after June 30, 2003, copies of issued U.S. patents and published U.S. applications are not required and are not being provided.
		[X]	U.S. A	s of the cited references are enclosed except those entered in prior applications, application No. 08/777,408, to which priority under 35 U.S.C. 120 is claimed. The applications contains copies of the cited references.
		[ ]	The list	sted references were cited in the enclosed International Search Report in a erpart foreign application.
		[ ]	The "cunder	concise explanation" requirement (non-English references) for reference(s) [ 37 CFR 1.98(a)(3) is satisfied by:
			[ ]	the explanation provided on the attached sheet.
			[ ]	the explanation provided in the Specification.
			[ ]	submission of the enclosed International Search Report.
			[ ]	submission of the enclosed English-language version of a foreign Search Report

the enclosed English language abstract.

[ ]	Applio	cant requests that the following r	non-published pending app	olications be considered:
Examiner's Initials	<b>s</b>			
	-	U.S. Patent Application No. [	], by [inventor(s)], filed	[ ], Docket No.: [ ]
		U.S. Patent Application No. [	], by [inventor(s)], filed	[ ], Docket No.: [ ]
		U.S. Patent Application No. [	], by [inventor(s)], filed	[ ], Docket No.: [ ]
		Examiner	Date	
	[]	A copy of each above-cited app	olication, including the cur	rent claims, is enclosed.
	[]	A copy of each above-cited app those entered in prior application 35 U.S.C. 120 is claimed.	olication, including the cur on, U.S. Application No. [	rent claims, is enclosed, except ], to which priority under
		r is requested to return a copy of re considered with the next offic		applications indicating which
It is re	quested	that the information disclosed h	erein be made of record in	this application.
Metho	od of pa	yment:		
[ ]		ck for the fee noted above is enclopanying Reply. A copy of this S		ncluded in the check with the
[ ]	Please enclos	charge Deposit Account 08-038 red.	0 in the amount of \$[	]. A copy of this Statement is
[X]	Please	charge any deficiency in fees an	d credit any overpayment	to Deposit Account 08-0380.
	•	F	Respectfully submitted,	
		H	IAMILTON, BROOK, SN	IITH & REYNOLDS, P.C.
		E	Sy Susan M. Abelleira Registration No.: 42,252 Telephone: (978) 341-00 Facsimile: (978) 341-01	36

Concord, MA 01742-9133
Dated: April (S) Soul

				Silect I o
PTO-1449 REPRODUCED	ATTORNEY DOCKET NO. APPLICATION N 1932.1041-020 10/647,665			
O INFORMATION DISCLOSURE CITATION IN AN APPLICATION	FIRST NAMED INVENTOR Stephen Randall Holmes-Farley		FILING DATE August 25, 2003	
APR 1 9 2004 April 15, 2004  se several sheets if necessary)	EXAMINER Not Assigned	CONFI 2141	RMATION NO.	GROUP 1615

		U.s	S. PATENT DOCUMENTS	
EXAM- INER INI- TIAL	REF. NO.	DOCUMENT NUMBER Number-Kind Code (if known)	ISSUE DATE / PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT
	AA	4,340,585	07/20/82	Borzatta et al.
	AB	4,557,930	12/10/85	Kihara et al.
	AC	3,308,020	03/07/76	Wolf et al.
	AD	3,383,281	05/14/68	Wolf et al.
	AE	5,055,197	10/08/91	Albright et al.
	AF	4,217,429	08/12/80	Wagner et al.
	AG	4,205,064	05/27/80	Wagner et al.
	АН	4,098,726	07/04/78	Wagner et al.
	ΑI	5,236,701	08/17/93	St. Pierre et al.
	AJ	3,803,237	04/09/74	Lednicer et al
	AK	4,759,923	07/26/88	Buntin et al.
	AA2	4,605,701	08/12/86	Harada et al.
	AB2	4,540,760	09/10/85	Harada <i>et al</i> .
	AC2	4,111,859	09/05/78	Strop et al.
	AD2	4,101,461	07/18/78	Strop et al.
	AE2	4,071,478	01/31/78	Shen et al.
	AF2	3,980,770	09/14/76	Ingelman et al.
	AG2	3,787,474	01/22/74	Daniels et al.
	AH2	3,780,171	12/18/73	Irmscher et al.
	AI2	3,692,895	09/19/72	Nelson et al.
	AJ2	3,288,770	11/29/66	Butler
	AK2	5,374,422	12/20/94	St. Pierre et al.
	AA3	4,027,009	05/31/77	Grier et al.
	AB3	4,559,391	12/17/85	Ueda et al.
	AC3	4,680,360	07/14/87	Ueda et al.
	AD3	5,451,397	09/19/95	Albright et al.

EXAMINER	DATE CONSIDERED

## INFORMATION DISCLOSURE CITATION IN AN APPLICATION

April 15, 2004

(Use several sheets if necessary)

ATTORNEY DOCKET NO. 1932.1041-020

APPLICATION NO. 10/647,665

FIRST NAMED INVENTOR
Stephen Randall Holmes-Farley

FILING DATE
August 25, 2003

EXAMINER CONFIRMATION NO. Not Assigned 2141

GROUP 1615

		U.S	S. PATENT DOCUMENTS		
EXAM- INER INI- TIAL	REF. NO.	DOCUMENT NUMBER Number-Kind Code (if known)	ISSUE DATE / PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	
	AE3	5,430,110	07/04/95	Ahlers et al.	
	AF3	3,562,266	02/09/71	Minisci et al.	
	AG3	5,462,730	10/31/95	McTaggart et al.	
	АН3	5,414,068	05/09/95	Bliem et al.	
	AI3	3,801,641	04/02/74	Payot et al.	
	AJ3	4,426,489	01/17/84	Wessling et al.	
	AK3	2,874,132	02/17/59	Riener	
	AA4	5,428,112	06/27/95	Ahlers et al.	
	AB4	5,189,111	02/23/93	Danner	
	AC4	3,585,118	06/15/71	Harada et al.	
	AD4	3,840,504	10/08/74	Keim	
	AE4	3,833,531	09/03/74	Keim	
	AF4	4,812,540	03/14/89	Kageno et al.	
	AG4	5,185,411	02/09/93	Jueptner et al.	
	AH4	4,287,172	09/01/81	Jacquet et al.	
	AI4	4,360,434	11/23/82	Kawaguchi et al.	
	AJ4	4,027,009	05/31/77	Grier et al.	

	F	OREIGN PATENT D	OCUMENTS		
	DOCUMENT NUMBER Country Code-Number-Kind Code (if known)	DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	TRANSI YES	ATION NO
AL	WO92/10522	06/25/92	WIPO		
AM	0 459 632 A1	12/04/91	EPO		
AN	929,391	06/19/63	United Kingdom		
AO	1,567,294	05/14/80	United Kingdom		
AP	0 162 388	27/11/85	EPO		
AQ	0 373 852 A2	06/20/90	EPO		

EXAMINER	DATE CONSIDERED

PTO-1449	REPRODUCED
----------	------------

## INFORMATION DISCLOSURE CITATION IN AN APPLICATION

April 15, 2004

(Use several sheets if necessary)

ATTORNEY DOCKET NO.
1932.1041-020

APPLICATION NO. 10/647,665

FIRST NAMED INVENTOR
Stephen Randall Holmes-Farley

FILING DATE
August 25, 2003

EXAMINER
Not Assigned

CONFIRMATION NO. 2141

GROUP 1615

	·	I	FOREIGN PATENT D	OCUMENTS		
		DOCUMENT NUMBER Country Code-Number-Kind Code (if known)	DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	TRANS YES	LATION NO
	AL2	WO94/04596	03/03/94	WIPO		
	AM2	WO94/27620	08/12/94	WIPO		
	AN2	0 432 995 A1	19/06/91	EPO		
	AO2	WO91/18027	28/11/91	WIPO		
	AP2	0 081 291 A3	15/06/83	EPO		
	AQ2	798,488	23/07/58	Great Britain		
	AL3	WO95/34588	21/12/95	WIPO		
	AM3	WO95/34585	21/12/95	WIPO		
	AN3	2 090 605	14/07/82	Great Britain		
	AO3	56010531 A	03/02/81	Japan		X (Abs
-	AP3	02001358 A	05/01/90	Japan		X (Abs
	AQ3	62257481 A	10/11/87	Japan		X (Abs
	AL4	62170591 A	27/07/87	Japan		X (Abs
	AM4	57047302 A	18/03/82	Japan		X (Abs
	AN4	57125233 A	04/08/82	Japan		X (Abs
	A04	0 280 445	31/08/88	EPO		
	AP4	2 227 663	08/08/90	Great Britian		
	AQ4	0 401 705	12/12/90	EPO		
	AL5	7316061	05/12/95	Japan		X (Abs
		OTHER DOCUMEN	ITS (Including Author,	Title, Date, Pertinent Pages, Etc.)		
	AR	Heming, A.E., et al., "Considerations in the Selection of Cation Exchange Resins for Therapeutic Use,"  Annals of the New York Academy of Sciences, 57:239-251 (1954).				
	AS	McCarthy, Peter A., "New Approaches to Atherosclerosis: An Overview," Medicinal Research Reviews, 13(2):139-159 (1993).				

EXAMINER	DATE CONSIDERED

PTO-1449 REPRODUCED	ATTORNEY DOCKET NO. 1932.1041-020	APPLICATION NO. 10/647,665		
INFORMATION DISCLOSURE CITATION IN AN APPLICATION	FIRST NAMED INVENTOR Stephen Randall Holmes-Farley  FILING DATE August 25, 2003			
April 15, 2004  (Use several sheets if necessary)	EXAMINER Not Assigned	CONFI 2141	RMATION NO.	GROUP 1615

	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
АТ	Butler, G.B., et al., "Comblike Cyclopolymers of Alkyldiallylamines and Alkyldiallylmethylammonium Chlorides," in Water-Soluble Polymers, eds. Shalaby, McCormick & Butler, Chapter 9, pp. 151-158 ACS Symposium Series 467 (1991).
AU	Dubin, P.L., et al., "Quasi-Elastic Light Scattering of Polyelectrolyte-Micelle Complexes," Macromolecules 17:1294-1296 (1984).
AV	Wang, GJ., et al., "Fluorescence probing of the formation of hydrophobic microdomains by cross-linked poly (alkylmethyldiallyl-ammonium bromides) in aqueous solution," Recl. Trav. Chim. Pays-Bas 113:390-393 (1994).
AW	Kunitake, T., et al., "Catalyses of Polymer Complexes. 4. Polysoap-Catalyzed Decarboxylation of 6-Nitrobenzisoxazole-3-carboxylate Anion. Importance of the Hydrophobic Environment in Activation of the Anion," J. Org. Chem 42(2):306-312 (1977).
AX	Wang, GJ., et al., "Study of the Conformational State of Non-Cross-Linked and Cross-Linked Poly (alkylmethyldiallylammonium Chlorides) in Aqueous Solution by Fluorescence Probing," Gazzetta Chimica Italiana, 125:393-397 (1995).
AY	Kuron, G.W., et al., "The Bile Acid Binding and Hypocholesterolemic Action of Two Water-Soluble Polymers," Atherosclerosis, 37:353-360 (1980).
AZ	Harada, S., et al., "The Cyclo-copolymerization of Diallyl Compounds and Sulfur Dioxide," Die Makromolekulare Chemie, 107:64-93 (1967).
AR2	Wang, GJ., et al., "Induction of Aggregate Formation of Cationic Polysoaps and Surfactants by Low Concentrations of Additives in Aqueous Solution," Langmuir, 10(8):2583-2587 (1994).
AS2	Wang, GJ, et al., "Synthesis of Hydrophobically and Electrostatically Modified Polyacrylamides and Their Catalytic Effects on the Unimolecular Decarboxylation of 6-Nitrobenzisoxazole-3-carboxylate Anion," Langmuir, 11(10):3856-3861 (1995).
AT2	Wang, GJ., et al., "Synthesis and Catalytic Properties of Non-Cross-Linked and Cross-Linked Poly (alkylmethyldiallylammonium bromides) Having Decyl, Octyl, and Hexyl Side Chains," J. Org. Chem, 60:4030-4038 (1995).
AU2	Kevelam, J., et al., "Polymer-Surfactant Interactions Studied by Titration Microcalorimetry: Influence of Polymer Hydrophobicity, Electrostatic Forces, and Surfactant Aggregational State," <i>Langmuir</i> , 12(20):4709-4717 (1996).

<del></del>	
EXAMINER	DATE CONSIDERED
Distriction	DATE CONSTRUCTOR

PTO-1449 REPRODUCED	ATTORNEY DOCKET NO. APPLICATION NO. 1932.1041-020 10/647,665			
INFORMATION DISCLOSURE CITATION IN AN APPLICATION	FIRST NAMED INVENTOR Stephen Randall Holmes-Farley  FILING DATE August 25, 2003			2003
April 15, 2004 (Use several sheets if necessary)	EXAMINER Not Assigned	CONF	RMATION NO.	GROUP 1615

1		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
	AV2	Wang, GJ., et al., "Syntheseis and Catalytic Properties of Cross-Linked Hydrophobically Associating Poly (alkylmethyldiallyl-ammonium bromides)," J. Org. Chem., 59(15):4076-4081 (1994.)
	AW2	Yang, Y.J., et al., "Synthesis and Catalytic Properties of Hydrophobically Modified Poly (alkylmethyldiallylammonium bromides)," J. Org. Chem., 56:4300-4304 (1991).
	AX2	Negi, Y., et al., "Cyclopolymerization of Diallylamine Derivatives in Dimethyl Sulfoxid," J. of Polymer Science: Part A-1, 5:1951-1965 (1967).
	AY2	Hodgkin, H., et al., "Use of <sup>13</sup> C-NMR in the Study of Reactions on Crosslinked Resins," Published by John Wiley & Sons, J. of Polymer Science: Polymer Chemistry Edition, 19(5):1239-1249 (1981).
	AZ2	Yeh, F., et al., "Nanoscale Supramolecular Structures in the Gels of Poly (Diallyldimethylammonium Chloride) Interacting with Sodium Dodecyl Sulfate," J. Am. Chem. Soc., 118(28):6615-6618 (1996).
	AR3	Boothe, J.E., et al., "Some Homo- and Copolymerization Studies of Dimethyldiallylammonium Chloride," J. Macromol. SciChem., A4(6):1419-1430 (1970).
	AS3	McLean, C.D., et al., "Cyclopolymerization. VI. Preparation and Properties of Crosslinked Polyamines by Cyclopolymerization," J. Macromol. SciChem., A10(5):857-873 (1976).
	АТ3	Bolto, B.A, et al., "Synthesis of Cross-Linked Polyallylamines which are Resistant to Sulfite Attack," J. Macromol. Sci. Chem., A17(1):153-166 (1982).

EXAMINER	DATE CONSIDERED
I BARTINEK	DATE CONSTRUCTOR